

Abstract of the disclosure

- 5 Mixed-backbone oligonucleotides POPS blocks have been designed and studied for their target affinity, nuclease stability *in vitro* and *in vivo*, Rnase H-activation properties, and their effect on phosphorothioate-related prolongation of partial thromboplastin time, in an effort to have agents with improved antisense activity with reduced phosphorothioate content.

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